

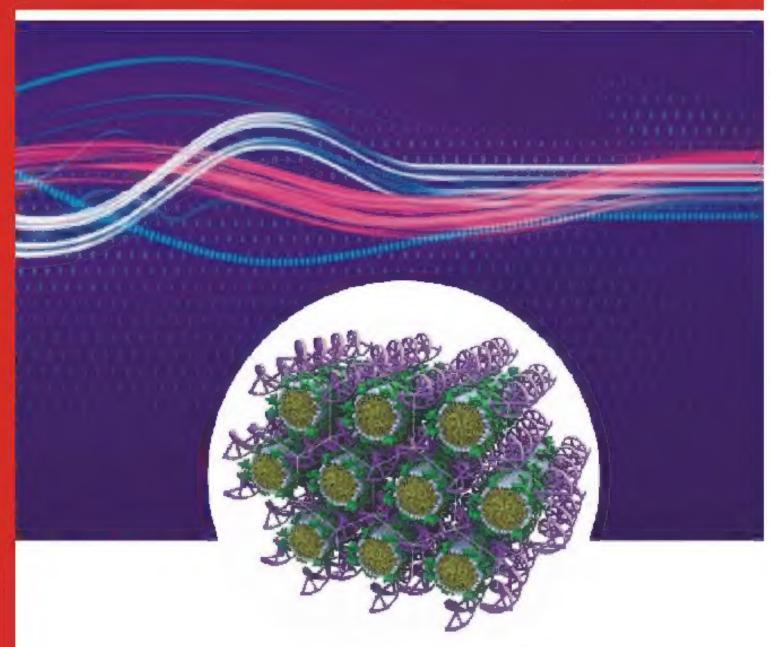
BJKines

To Educate, Inform and Promote

Volume 1

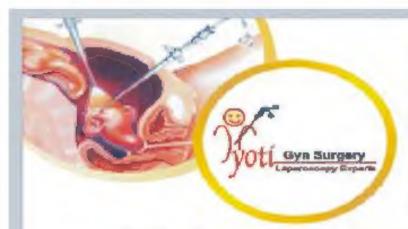
No. 2

October 2009



Official Publication of B. J. Medical College, Civil Hospital, Ahmedabad and affiliated Institutions

(Health & Family Welfare Department, Government of Gujarot)



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FOGSI Endoscopy Committee Chairperson
IAGE West Zone Co-ordinator
Mobile: 98240 50916

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Congratulations

Dr. Ketan Desai, Professor and Head, Urology, B. J. Medical College and Civil Hospital, Ahmedabad and President, Medical Council of India, has been unanimously elected. President of World Medical Association. He is the first Indian to hold this prestigious position.

It's a matter of great pride and immense pleasure for B. J. Medical College and Civil Hospital, Ahmedabad for his achievements and excellence.



From The Editor's Desk.....



Dear Colleagues,

Season's Greetings...

It gives us immense pleasure to announce the release of second issue of £TKjnes. This quarter has been full of activity with lot of twist and turns. It started with the pandemic of 'Swine flu', an unexpected calamity, which has till today taken the toll of many lives worldwide. Our doctors especially physicians and microbiologists have put in their best efforts to face the challenges. The possible preventive along with the general public awareness measures has been taken by the authorities. Earlier the epidemic of Hepatitis B resulted into lot of trouble and panic. Thus, it seems that the bugs (viruses) are giving us tough time and have become smarter than human beings!

The changing patterns of diseases, their prevalence and drug treatment calls for a serious thought to incorporate them in our medical curriculum and undertake health research. We need to change our traditional teaching to cater to the 'contemporary' requirements and make the medical education more relevant and meaningful. It has also been suggested by Medical Council of India to include new and emerging disciplines in the schedule. Considering this background, we have attempted to publish special articles on Swine flu, Emergemcy medicine and pharmacovigilance in this issue.

The recent news of mandatory scientific publications for promotion of medical teachers sparked off inquires and discussions at editorial office. If these reforms are really observed, it may inspire young generation to publish their research results. After all a professional with 'Good Communication Skills' is the need of the day.

The members are requested to submit their articles as per the format along with the copyright form duly signed by all the authors published in this issue. We look forward for your continuous support to sustain this academic activity. Articles of humor, quiz, cross word puzzle, spot the diagnosis etc. are welcome.

Happy reading.....

Dr. Mira K. Desai

Dr. Bipin K. Amin

BJKines

Official Publication of B. J. Medical College, Civil Hospital, Ahmedabad and affiliated institutions

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BJKines

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Advertisements Rates

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D.D./ Cheque should be drawn in favour of

'Dean B. J. Medical College (Journal)' payable at Ahmedabad,

Immunohaematology and Blood Transfusion Department at B. J. Medical College and Civil Hospital, Ahmedabad

Transfusion medicine is a multidisciplinary area concerned with the rational use of blood and blood components in the treatment of human diseases. The Depurtment of Immunohematology and blood transfusion at B. J. Medical College, Ahmedabad has been escablished since October 2004 as a state-of-art facility to provide didactic education and practical training in all aspects of blood transfusion technology, to develop the knowledge required to analyze Immunohaematological problems, to provide experience in blood centre policies such as donor recruitment. collection, preservation, administration of blood and blood components and to educate other medical and technical personnel regarding the judicious use of blood. Airning towards total dependence on voluntary blood denation, metice preparation of bland components along with strict adherence to quality control at all phases of donor selection, donor room procedures, screening and processing of blood, and serological procedures for grouping and typing of blood are principal hallmarks of the department. The department has also taken a lead in storting a pestgraduate course. in Transfusion Medicine leading to the award of MD (Immunohematology & Blood Transfusion) for the first time in Gujarat Scate which has been recognized by Medical Council of India (2009)

The task of establishing this specialized discipline was started wav back in 1999 under the able guidance and hard efforts of Dr. B. I. Desai, ex-Professor and Head, Department of Pathology, D. J. Medical College and Dr. Amarjeet Singh, Commissioner of Headth, Medical Education & Research, Gujarat state.

Services

The department functions 24 hrs. with state of the art equipments and well trained staff comprising of dectors, technicians, nursing staff, denor consclors and social workers. The services are centered an collection, testing, storage, processing and transfusion of blood, and blood products like packed cells, fresh frozen plasma, platelet concentrate, cryoprecipitate etc. all round the clock. Facility for apheresis and cell separation procedure is also available. Regular blood

donation camps are being conducted. In case of national calamity or emergency, blood bank caters to the need of the masses and works in its full swing. In addition, various academic activities in the form of teaching, training, research projects, scientific publications and presentation are also undertaken. Future plan to set up stem cell procedures is under consideration, A list of tests performed and facilities at the department is as fellows:

- Patient's blood grouping and compatibility testing as per demand
- 2. Riseding of donors (Voluntary & Replacement)
- Testing of all bags according to the five mandatory thats as guided by the FDA i.e. HIV I & II, HCV, Bag, tests for syphilis and peripheral smear for malarial parasite
- 4. Component preparation & storage
 - Red cell concentrate.
 - · Platelet concentrate
 - Platelet rich plaama
 - · Fresh frezen plasma
 - Cryoprecipitate
 - · Baline washed red cells
 - Lauen reduced red nalls
 - · Single donor platelets
- Gross matching, whole blood and blood components
- 6. Packed red cells to tradassemia patients
- Fresh Inzen plasma (for factors) to bemophdist potionts
- E. Conducting Voluntary blood donation camps
- 9. Direct and Indirect Coumb's test
- 10. Newborn baby grouping
- 11. Autologous blood transfusion program
- 12. Plateletpheresis and Plasmapheresis

The department is estagorized into different sections for smooth and effective operations as follows:

a) Donor Area



Fig.1: Donor area-Phlehotomy room

The department has a round the clock service to bleed donors. The section is air conditioned and well equipped with all modern facilities for hemoglobin estimation, donor station, blood collection monitors, tube sealers, needle destroyer and emergency drugs. The donors are screened for medical fitness especially for hemoglobin and body weight. Only those who fulfill the critoria of a safe and healthy donor are taken up for phlehotomy after predonation counseling. The donors are constantly observed for adverse reactions. At the end they are served refreshments followed by post donation care instructions.

b) Component Separation



Fig.2 : Component separation room

This section deals with the preparation of all blood components like packed red cells, saline washed red cells, louge-reduced red cells, platelet concentrates, fresh frezen plasma, piptelet rich plasma, cryo precipitate. The latest equipments essential for component separation i.e. refrigerated centrifuges, plasma expressor, deep freezers, platelet incubator and esitator, plasma thawing water bath, sterile tube connecting device, laminar flow bench are available.



Fig.3 : Different blood components giving life to three different patients

c) Apheresis

This section performs all types of apheresis procedures like single donor platelet, plasma apheresis, plasma étchange procedure, erythrecytapheresis, and leukopheresis as per the guidelines of FDA. The department has two continuous cell separatur CB3000 & Fresenius. Donor apheresis is a special type of blood donation in which a specific component, viz. platelets, granulocytes (white cells) plasma or plasms is withdrawn from the donor using special equipment called as cell separator; the remaining components are returned to the donor's blood circulation. This procedure takes short 90 minutes during which time the dosor is constantly munitored by trained medical personnel.



Fig.4: Apheresis room

d) Transfusion Transmitted Infections(ITI) Testing Section



Fig. 5 : TTI testing area

Every unit of blood and component is screened for HbsAg, anti-HIV 1 and 2, anti-HCV, syphilis and malaria. This activity has been supported by NACO. Routinely ELISA testing for all samples is carried out However, in case of emergency and non availability of a particular group, the rapid testing of the sample for the speedy issue of blood is performed. The section is well equipped with ELISA SYSTEM (Semiautomatic and Fully automatic). ELISA well washer etc. The reactive bags are discarded as per FDA rules under the guidance of Hospital Waste Disposal Committee.

e) Patient Counter



Fig. 8 : Immunchematology area

Approximately 50 samples per day are received for grouping and cross matching from patients admitted in the different departments of the hospital Additionally, 25-30 thalassomin patients are supplied with blood per week.

f) Computerization

The blood bank has been fully computerized since April 2005. This facility has beloed in a smooth and effective functioning, maintaining the patients as well as donors records, avoiding clerical mistakes and facilitating the interaction with other departments.

List of Products Prepared at IHBT

- Whole blood
- Pucked red cells
- Saline washed red cells
- · Platelet concentrate
- Fresë frozen plasma
- Cryoprecipitate
- Platelet rich plasma
- Single donor platelets
 fafter getting license for apheresis)
- Lenco-reduced red cells.

g) Tenching and Training

- The department organizes training and teaching programs for blood bank technicians, medical officers and resident doctors of transfusion medicine. In addition, CME on Traininal Use of Blood" for the clinical staff and resident doctors is being conducted regularly.
- The department has been renginized as the 'Contro for excellence and training' for all blood banks of Gujarat and assigned the role of a 'Model Blood Bank' by NACO.

h) Research Projects

The department has undertaken the following projects,

- * "Role of autologous platelet rich plasme in delayed nonunion of fracture or multiple fractures", in collaboration with orthopolic department.
- "Incidence of Cytomegalovirus reactivity in blood donors" funded by Government of Gujarat.
- Scientific Activities

Publications

- Blood Transfusion in Neonates, Transfusion bulletin, ISBTI, April, 2006.
- Comparison of seroreactivity of HIV, HBV, and syphilis in voluntary and replacement blood donors attending blood bank, Civil Hospital, Ahmedabad. Gujarat Medical Journal, Dec 2001.
- Effect of Predonation counseling on Donor Adverse Reactions in Gujarat Medical Journal, 2008

Presentations at National Conference (TRANSCON)

- Effect of Pre-donation counseling on Donor Adverse Reactions in TRANSCON 2007 at Bhopal
- Evaluation of sensitivity and comparison of 3rd and 4th generation ELISA assays for detection of HIV I & II, TRANSCON 2008 at SGPGI, Lucknew
- · An audit of blood components in a tertiary

- care hospital of Gujarat in TRANSCON 2008 at SGPGL Lucknow (Poster presentation)
- Assessment of FFP utilization in a tertiary care hospital of Gujarat in TRANSCON 2008 at SGPGI, Lucknow(Poster presentation)
- Prevalence of cytomegalovirus reactivity in blood donors in a tertiary care haspital in TRANSCON 2008 at SCPCL, Lucknow (Poster presentation)
- Therapeutm plasma exchange (TPE) in Cullian barre syndrome (GES): the experience of our centre in TRANSCON 2008 at SGPGI, Lucknow(Poster presentation)
- Leucodepleted Red delix-Need of the day in TRANSCON 2008 at SCPG1, Lucknow(Poster presentation)
- Provalence of coinfection of HIV, HbsAg & HOV in blood denotes of Gujarat to TRANSCON 2008 at SGPG1, backnow(Poster presentation)



Donate your blood and make a difference

Gujarat Cancer and Research Institute - An Overview

(Regional Cancer Centre & Member of Internations, Union against Cancer)
Website www.cancerindia.grg

Cujarat Cancer and Research Institute (CCR), with a many approach relivent ancer are research and earch on intends to provide great hope to the patient and be general prima for The matrix a relieves in the wind class cancer research state of art therape treams extension, treatment and pulmation is improve the quanty of life of patients. The mass on has been achieved by the contribution of its dedicated members and componential must be an appropriations. research laboratories and pharmaceutical research establishments. In 1975, GCRI became memoer of International Union against Cancer

CCRL is a Regional Cancer Lenire recognized by Government of Louis and a postgravitate eaching confraction to B. J. Medical College C. parat University. It is also recognized by Calarat University for specialty courses tike M.Ch. (Oncology). D.M. (Oncology) and M.D. (Radiotherapy), and for Ph.D. et dies. It also offers Diploms in Medical Laboratory Technology certification every year. Today, GCRL is a B50 bedded comprehensive cancer centre with 22684 new cancer and non-cancer casca registered and 2.22,8% outdoor patients visited in the year 2008. The Institute has 40 PG students, 42 medical PG teachers and Ph.D. guides recognized by Gujarat University.

The various clinical departments include Strg-cal oncology, Medical oncology Pediatric oncology. Concerne logy Radiation oncology. Radio diagnosis Bonc marrow transplantation. Anes also logy Laboratory medicine, and Physico-oncology Surgical encology has supply specialty clinics in the form of Uro oncology. Interventional therapy centre, Musculosketetal services. Plastic and reconstructive services, Neuro-oncology services and optimizations galabers have be services, physical enterpy, stomactics and speech merapy prostless and rehabilitation centre, pharmacy and general administration. The Pediatric uncology centre undertakes treatment of leukaemia through a National Cancer

institute USA Protocol Programme: A well established incomesearch wms, undertakes severa man at this sign hower drugs and replace modalities.

Separate administrative arrangement in the form of research and education services has helped the institute to organize its research and educational activities. The principal areas include the Research. wing cancer biology department), educational activ hes. I brary educational graph re and medical nic photography. The research wing is further divided into areas like Cell biology, Mereca arand open one division I aid Receptorand growth acome aberacies H bemis as heares no limm in his othem sary. Medic nal them stry and Plantage tom ce Community Ontoliny and medical records department works in three different areas - a State/National Cancer Registry regramme blotace Vational Can or Control Programme, under the state programme four satelfite canter centers have been created to carry out cancer screening diagnosis and treatment, and e) Cancer Epidemiology Community Oncology Centre Vasna, houses several activities. Prominent among them are the Hospies care permanent care as well as tobacce deaddiction related exhibition. cancer related bealth check to and medicina Mantation



Dr. Pankaj Shah, Hon Turcetor honored with Dr. B.C. Roy award by the President of India Mra Fratilha Fat.I for his valuable contribution in the left of Medicine.

Government (C.L. & S.C.) Spine Institute, Physiotherapy College and P & O College, Ahmedabad-16 (Paraplegia Hospital)



Civil Hospital Campus Ahmedabad 180 0.56. Gujarat, INDIA Tell Directar (079) 22480471 General (079)22684258 Fax (079)22680471 El meni peraplegranosju an@vanknet, www.paraplegranospirar ug mailto:spital.org

Government Spine liess the caters to provide a steaf art rehabilitation and therapeutic services to the patients with spinal cord injury and other disability. The institute is decigated to a smell life actual and hyman approach to rehabilitation and realment of disabled patients with innovation and creativity in the field of research and clinical applications. Its scope encompasses various beautionical applicational programmes research and training of postgraduates and physiotherapy scudents and its laboration with voluntary and so all we fare departments and non-government organizations.

Lessatute has the capacity of 60 bests and conducts out patient department on Monday and Thursday afternoon. The institute is affiliated to B. J. Medica, College and Civil Heapits. Atmosfahad



Big I Government spine institute at B a Medical College and Civil Hospital compus

Bealth Care Facilities

Orthopedie

tinder the avnomic leadership of Prof (Dr.) M. M. Prankakar along with well irained seam of ductors, all kind of spine surgeries are performed. The department has the facility of well equipped operation theatre with modern and by tech equipments and surgical instruments.

Physiotherapy

A full-fledge I and well-equipped Phys otherapy department with modern equipments like E.M.C./N.C.V. Laser therapy dark Laboratory (Galt trainer and Gact analyzer). Isolanetic exerciser. Microwave Dratherms interferent a therapy in resound therapy exercise treadmill ruwing mark his existing therapy and electrotherapy equipments are available.



Fig.2. EMG and nerve conduction velocity assessment

Occupational Therapy

The department gives your tons inchain that in, sports there, A D I around good and outdoor patients functions, and training, to the indoor and outdoor patients dolly. The approach to the treatment by therapests differ by undertaking therapoutic activities, work play off in a scientific way to an inever a goal of maximum independence so that patients can live a dear i ormal life and error their byonhood.

Prosthetic and Orthotic Workshop

All the OPD and inuous patients at this institute are given and sind apparates from the Prosthetic & Orthotic workshop as per heir requirement prescribed by the orthogon is regents. Orthotic & Prosthetic apparates for Pono Parapagos, C.P., Frantise orthogon, Spinal orthogon, appearantly were imbs etc are prepared at this workshop.



Fig 3: Fier ro mechanical nevale (Proschesia) assembled in patient with appear Linb empire, from

The Center of Henring Arts | Dr. Dresh & Pate | Psychomotor Laboratory

This is the first of its kind in India and Asia. Torted in Income. 2001 The Lagricatory consists of a complete operation thesive with all essential arthroscopy instruments and accessories along with joint models to Icam and perform a mock surgery on them. Presently a number of workshops and hands on training with live-signal demonstration have been organized on knee and shoulder models for a peoming orthopedic surgeons and postgraduate students from all over India. Around 1500 doctors and postgraduates students have been trained at the alshoratory.

A Leg to Stand on Project

The project has been gaintly started with Government of Gujarat and a New York based NGO in February 2003. The mission is To transform the lives of chicken with Line disabilities in Gujarat. India by offering them physical capatheries, to access the opportunities earned through each ion, work and mobility. Children below the age of 18 years are given good quality of prosphesis.

and orthosis free of cost under this project. The project has been speciesored by A Leg To Stand On I... New York To uste 304 st. Fris. limbs 18 years est given free of cost to change below 18 years of age

Theren we has been sponsored by Mahavir Viklang Sanayata Samiti and was inaugurated by the Hon Heal h Minister of Gu arat, Shr. Jaynarayan Vias on 20th September 2008. Index this project Jawim From a given to a local ed free of cost. In add there, wheel the reland in your area are given to industigationts.



Fig.4: Worker preparing and genous orthosis in orthodoworkshop

Educational Programme

Covernment Physiotherapy CoLege

The Government Physiotherapy Co lege attached to the Inversion Spire Inst. 19, was started in 1962. Presently, the admission capacity is 100 students per year. It is affiliated to B.J. Medical College & Civil dospital and Gouprat Liniversity. Admission to this Course is done through centralized admission along with MBBS and BDS. The coulege has also started Master in Physiotherapy (MPT) with 18 admissions out year.

Orthotic and Prosthetic College

This is the first and tinly course of its kind in Gujarat of a)e with 10 admissions per year. The tuilege was started in 2005. The edg bility for admission is XII science pass which is done through Centralized Admission for famoutive along with 0ther courses.



Fig.5: Tire table mobilization for spinal cordingury pasients for early rebuilding.

Nesearch Projects

Lanchenp International and Department of Health & Fore Iv Welfare. Government of an erat jointly impremented a project on "Karly identification and intervention for the prevention of disability and its complementers"

A Pirot project in the Asmedaban district has been completed from June 2003 to May 2004. Thereafter two more districts, Kachenh and Surendranagar has been covered from May 2004 to December 2005. Training programme was andertaken in seven more districts. e. Mehsana, Palan, Ananu, Vadudara. Sabarkanaha, Banaskantha and Janahmagar from Ectober 2001 to December, 2001.

Scaling up the same initiative, from his year Department. of Health & Family Weifare, Gt. arat State and Handicap International has jointly implementing a similar project enaled "Inclusion of Dissibility usines into the Public Real L System of Characa " L. IPH and g system in listing a of the state i.e. Alimenated Amrel, Bharu, h. Bhavnagar, Dahod Dang Jammagar Junagath, Kheda Navsan, Panchmanal, Forbandar Ra, kot, Narmada, Surat and Valsad. Trantang prgrammes for the first year at four custric's Ahmedacad Fenchmaha, Rajaot, and Dabou). has seen completed in February 2009. For the second year. the programme has been started from Macch 2009 for Amreli Jamnagar Junagadh and Forbandar Director of Spane Institute to the State Project Coordinator and Spane. Lash the is selected as noder agency. The process is spansared by Gavernment of Galarat European Commagon and Hand eas International

Parapiegla Safari

Mose of the patients attending the Government Spine Institute are from poor family and remote areas. Hence could not attend the hospital for follow up. To help hese pure paraplegic and dual le patients, he first like has started a not be project. Peroplegia Sullan Programme to visit the door steps of the paraplegia patients discharged from hospita to assess their condition give suitable advice further treatment if any, assess the had sore problems rotations activities, uses if aids and wheel it a retu. The Safari staff consists of orthopedia surgeons, Physiotherapist, Occupational Therapist, prostheustrations modical social worker and has any staff. The first tute has arranged total 10 Paraplegia Safari programmes, covering \$4.5 pa needs into 16 ng 240 earthquake paraplegia victims.

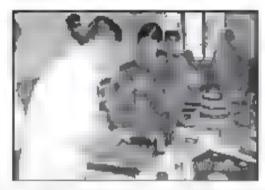


Fig. 6. Vocamonal graining for spinal continuous and cerebral policy partients

Other Activities

The center is also closely associated with various voluntary agencies and social welfairs department. Hond men a Association and provides where chairs, withcress, other aids, medicines etc. to the poor paraplegia patients through these agencies

The risk title also entertains the parapiegis patients by organizing programmes with active participation of patients. The institute celebrates Independence Day, Republic Day Kite flying Day Bansha Bandan Day etc with sports competition of the indoor paraplegia patients. Prizes are distributed to the uniners through NGOs. The needy and pour patients are also given wheel chairs, tricycles, sewing mathines, articles for small business according to their abusty and choice during the function

M & J Western Regional Institute of Ophthalmology, Civil Hospital, Ahmedabad- A Profile

M & J Western Regional Institute of Opatholmology is the biggest tertiary eye care centre in Jujara providing eve care fact ties to the patients of Gujarat and other states of western India It has 250 bees a middle patient and 150,000 patients are being treated in out patient, department every year

Bye Care Services

Under National Programme for Control of Bundness & VISION 2020(2068-2009) following activities were conducted

- School Heath Programme screening and treatment like spectar as and medicines of eve diseases in around 40 00 school charged of charge)
- Eve Bank & Research Centre corneal transplant surgeries in 405 eyes of patients but of 635 donated eyes
- Cataraticamp Screening, Laguestic and surgical camps for cataract patients provides free atraocular lenses and medicines
- Free camp services for diagnosis & managements
 of various eye diseases in more him 19.000
 patients.



Fig 1 Screening of claidren under school health or ustar the

Educational, Research and Awareness Activities

- Training of Undergraduate Postgraduate students and ophthalmic assistants by experienced faculties
- Calebration of eye donation fortnight and eve denation rally (25th August - 8th September 2006

- Celebration of World Sight Day (8th October 2018, The function was graced by presence of Harorable Health Minister Shri Jay Narayan Yvas & Commissioner of Health Dr Amarjit Singh
- Celebration of World Glaucoma Day (14 h March 2009
- Werkshop on Low Vision Devices ,8 h 9th April 2009.
- A racke talk on 'eye rare after 40 yrs of agr by Dr D. C. Meh a and other related subjects by actual, members.

The inscrete is conducing specialty O.Ds like Cornea. Retina, Oculoplasty, Squin. Glaucoma and Contact Lenses with fully functioning high technology equipments like FFA YAG laser, operating increasings and phace machines, NCTs, Perimeter, ocular USG and UBM machines, Pachymeter Topography machines, specular microscopes, computers on The inscrete has well-trained dedicated staff to take care of cyt, diseases of patients in training centre and other hospitals within the campus Recently, 67 patients but if 282, of methys electrol passes of were treated to civalently electrol passes of experts and experienced earn of opticial notagists.

Government of Cujerat and been suppose the institute in the rim scan or hight has Sight by providing more latest eyo care equipments and planning a new well framed building for the bottor than the best eye care saryces.



Fig. 2 Display of ow water devices.

Scientific Activities at B. J. Medical College and Civil Hospital, Ahmedabad

Anatomy Department

- Undertaken research project entitled "Study of facing features & farial undices of various races of Conjunct
 state and to find a vortextag algebraic for Dr. V. S. harrya, D. H. S. daday and Lr. B. S. harrya.
- Put hished an armode et alt ed "Konoelining & Bury donator An experience" in Caparat. Medical document, Vol 2.
 No 7, 2007 by Dr. Ropa, Gautarg et al.
- Organized a guest recture on 'Stem Cells therapy by Dr. Shaim Thakor on 1 th Sept. 2005.

Community Medicine

Yaming Program

ICTC three days Feam training for three batches

HIV TB training for Medical officers and counseiors of ICTC centers

EPI INFO training program for data analysis to the resident doclors

"Outbreak Investigation training for resident doctors of Community Medicine of B.J. Medicin College and Sm., N.H.L. Municipal Medicin, College, Ahmedabad

- Public Health Activities
 - Celebration of World Breastfeeting week, 1st Augustic 7th Author, 2009
 Health econalist campaign for Swipe fluid lie dipractice area of a man Health Centre (MALA)
 - Verhal Autopsy of deaths due to Dengue fever.

Obstetric and Gynaecology Department

- Br Apan Desig was awarded WHO fellowship in community health care and resource for a weeks in Khon Kash Thailand
- Dr. Ajesh Desgras due des a quordinader for Gioral surveys as Ma errad Health by WHO namonar a ver for Operational sing Pires Referral a riche by Trainen Mribb ductors in emergency observed, are
- Guest lectures by Dr. Haresh U. Dosh.

'Gesta sona Diabetes' at Bangaione Obily society in June 2009.

Fibroids aterus a Manipa OuGs somety in July 2009.

Bad Obsternic History in PG series at Time at August 2009.

Phroids Pre-enrgica. World congress on recent advances in Obity, at Mirmber in September 2009.

Cardiae diseases in pregnancy at FOGSI sate lite conference August 2019.

- Scionafic Publications
 - Nowing Mothers and Newborns through Innovative Partnership with Private Sector Charetriesens in Pagarat India' Lancet 22nd March 2009 by Dr. Ajesh Desa
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Pediatrie Department

 Dr. Bharat. Parmar organized control. IAP nursing and post graduate 4 uz and sout the winners for the sional round at Baroda and Surgt. Medical College in August 2009.

Pharmacology Department

Scientific Pro lications

Ubar ging face of Pharmacology Prainica a for Medical Undergraduates an ecitorial in *Indian J Pharmacol*. August 2009 by Dr. Mira Desa

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ADR reporting and the isality assessment' at training programme on Pharmacovigi ance for ASU medicines appropried by Allisa, Department of Hearth and FW. Government of Linua at Januager, June 2000.

Chine all pliant accessor of ARV drugs , a Prairing for specimese and incided off, are on HIV care and ART treatment at ART center expressible 2009

Guest lectures by Dr. Chetin Desn.

Pharmacovigulance and ABR reporting at CME on Pharmacovigulance for ASL medicines. Sponsored by Ayush, Department of Health and EW, Covernment of India, at Pharmacovigulance for ANgust 2009.

Interactive Learning seconsques and Problem Based Learning at the GSMC FAIMER Fellowship Programme a. M. most. June 2009

Skin and VD Department

- Dr. Bela Shan and Dr. Karti Parmar has undertused the organization of DERMAZONE WEST 2009 under ADVI GSB up 5th oth, 8th December 2009 underlying a pre-conference workshop on Jermatosurgery
- Special carries for Legrosy STD Collagen Vascillor Discusses, HIV Pulse there by Acne, Post acre scarring.
 Dermatosi rgery have been arranged.

Guiarat Cancer & Research Institute

Research Projects

60 Francot by Jupin Cancil Secrety Covernment of Grant Gigera. Since Biotechnology Mission (CSB), M. Le ceterote of Mechea Editection & Research LVHR) (calarat Council of Secrete and Technology (CCS)), Department of Aromic Energy (DAE), Indian Council of Medical Research (ICMR). IndoGerman Collaboration Indian Council of Medical Research (ICMR). IndoGerman

Publications

So to state/notices./internations, journals in this year.

Scientific Programme

- focc > Provide > Microbiology workship in Government mappings * Surrout for Represent 2 2009
- Surgi za Pataology, CME February 8, 2009
- Genetic Diagnostics, training March 2-7, 2009

Influenza A, HIN1 "Swine Flu"

Asha N Sanh*

Introduction.

Influenza A. H1N1 swine flu. or Acce. H1N1 is a new strain of the fluthat noved from jugato humans and can be transmitted from human to human. The it ness with the new H1N1 (Swine) flu rums has ranged from mild to severe. While the vist majority of people with Swine fluince recovered without any medical treatment, hospitalizations and dearly have a so been reported. The gurrent refluents pandemic is different from seasonal fluing lack of ammunity in human population and the new strain of the virus. This new virus was first detected in Mexico. Since then if has spread from person to person you idended, probably in the same virus as that of seasonanth enza viruses. On June 1, 2009, WHO signated a pandemic of novel H1N1 fluince.

Vicus

There are three main types of alf temas viriage A, Bar if

Type A influenza viruses affect multiple species at a rg tomans, turns horses and other arrands. At an takes severe epidemics among all ages and a considered the most virtuent group. It is classified in produppes based on two surface antigens known as hemagglutarin (HA) ordinaryamindase. NA), I emagg utuun antwa the virus to get attached to heat of its and uptake tofar on an susceptible cells while neuromandase allows the virus to be released from the interest of a

Influence type B viruses are presented to common in bomans but the clinical disease is askally less severe than influenza A. Epiconius do occur, out are seen less often than type A.

Influenza type C viruses have been identified in both humans and swino. They usually produce mild or no circles symptoms. It has been found that most advaduals have a 15 hours to 1971 and (1995) the age of 165.

Novel II1N1

The current infection was referred to as "swine flu" norsulae many of the gaues in this new virus were very similar to influenza viruses found in pigs in North America However, further study has allowed that this new virus is different. Evidence suggests that influenza virus responsible for pandemics and current H1N pandemic routained gene segments from pigs amans and numers. Scientists can this a "Triple or quadruple resessoriant" virus. This genetic recombination of himan with animal/amen virus leads to novel subtype different from parent viruses. If the novel subtype different genes from H1 viruses, it is transmissible from person to person and may lease name entits.

Current Epteemic

Cases in India

The first case was seen on May 16th when a 25 year old from UoA was detected positive in Hyderabad. Since them 4 524 people have been tested for Influenza A H1N1 in Soverment laboratories. Total number of people referred lab, confirmed cases) of H1N1 are 11 253 and total deaths are 369 cases as in 6-10-09. Makarawhtra has recorded the maximum number of cases (31-6) and deaths (1±2) in the country. First, case seen in Gujarat was on only 5th at Anmedabad when a Thai national was described positive. The most number age group affected was 13-to years as shown in the table.

Table 1: Age and gender wise distribution of H1Nt cases in Guiaret as on 7-10-49

Age (years)	No. of cases	No. of deaths		
0-12	26	3		
19 15	179	2₽		
A45	2	គ		
Gender				
Male	152	21		
Pennale;	74	15		
Total	226	36		

^{*} Professor and Hand Madrone

J J Mechea. Spaces, Ahmedabad.

Case Definitions by CDC (as of May 5, 2009).

Confirmed Case

A person with acute few releasy ratory illies with laboratery confirmed H. Ni in localizate A virus delected by real-time reverse transcriptage PCR (RT PCH, or viral culture).

Probable Case

A person with scate clinic respiratory liness who is positive for influence A but negative for H. and H3 by RT PCR

Supported Case

A person with an to februe respirators illness who dere opsis that as within sever days if lose contact with a person with confirmed case of H. NI influenza or develops symptoms within seven days of travel or resides in a community where there are one or more confirmed HINL in Lienza A cases.

Mode of Infection

The transmission is by the piet and form sest mainly from person to person when an infected person coughs or a species and spreads that particles into the air. It can also be transmissed by and bing the objects with flu variages and said bet tudebing the month, note as eyes.

El nical Jeatures

The common chincal presentation areades fever, cough, sore throat body nehes, headache, chills and fatigue. I harri as and comming have a so been observed. In dren, pregnant without min at acceptance sed, broat mental conditions like renal, cardiac hapatic and other respirator) almostes diabetes incluites, occupational exposure especially paramedicals and doctors are high risk groups and the symptoms may exace that an these patients. They are also prone to develop complications. Like prejunctial, respiratory failure, toxic shock like as adrome and death. The common symptoms of hospitalized toxic, H1N1 patients as per CDC. UNA are sectorics.

Symptoms	Number (%)
Fever	249 (93)
Сонул	223 (85)
Shortness of breath	145 (54)
Fatigue/Wealaness	108 (40)
Chills	39 (52)
Med glas	96 (36
Rhinorrhea	96 (36
Sore throat	84 (3
Mescache	83 (3)
Vom tang	78 (29)
Who zang	84 (24
Danklica	U4 (_4

Complication (Cytokine storm)

It is the available manifes a to of a normal and significant immune system resulting in the release of more than 150 inflammatory mediators. The exaggerated immune response is caused by rapidly properating and highly activated Tice is or natural anter (NA) certs and the condition is referred as a "Cytokine storm". The cause of death in these patients is is shally acute respiratory distress syndrome (ARDS) resulting from the cytokine storm, and not directly from the view.

Symptoms

It is commonly manifested as multi-system organisalize hypotension (myocarditis), tachycardia, ARDS (respiratory failure), ischemia or insufficient tissue perfusion and uncertical able informatrinage. The latest given in given in the pending lyak be storm are suggestive of immediate hospitalization.

- Fast breating or trough resthing.
- Blash er grav skin colums
- Severe or persect at vomating.
- Not waking up or not interacting
- Extreme invitability.

- Initial improvement followed by resurrence of fever and worse sough
- Cheet parm, dizzunese

Revised H1N1 Guidel nes by Ministry of Health & F.W. (Geyt, of India) on 14/8-09

The guide mea categorises the patients into A. B and C. for an affective merogement.

Category A.

Includes cases with following symptoms

- M if taver, charge's retter in bodysone.
 marrhes om tag
- · No testing is required
- Ose tamining single required
- Patients should be manitored, reassessed after
 48 are and povised to be confined at home

Category B.

Category B to Farther divised into H1 and H2.

- B. these with symptoms of rategory A and assor ated high grade fever, sore throat (granular phoryagatis) requires home as ation and may require use to man.
- B2 with symptoms of category A a one with high
 risk conditions like age less then Syrs or more
 than 55 yrs, pregnant women, patients with
 rang least, liver and levier took discribers.
 I aspies melitate he rological as mere carre
 HIV/AIDS and sterood therapy.
- Treatment with pseltam vir a needed.
- No vests for B1 B2 required
- Home isolation is must

Category C

In add and to symptoms of category A and B, that patients with the full awing symptoms

 Breathlessness, chest pain, drowstness hypotensien hemoptysis, cranesis

- Irritability in small children, refusa, for feeds
- We rear ng of under ying obsonic and same.

Category C patients require testing, immediate hospitalization and treatment.

Testing for HaN1

For conformation of Lagresca contaments such as natal wash massphargingeal aspirate or swab are to be obtained. Personal protective equipments like gown glaves, N95 mask and eye protection are necessary prior to obtain egisa representation and the labe ed as "swine for suspected" and transported to lab on the or refrigerate RT PCR method is used to confirm the LINT cases.

The potients are contagious as long as they have symptoms, and up to 7 days after they become sick. Chi dren especially infants, may be contaguous for onger periods Viruses can live 2 hours or onger on surfaces like tables desks and door knobs Respiratory specimen should be collected within 4 to 5 days of ...lness Influenza v.rus .s destroyed. by heat 167 912°F 75 110°C). In odd-tion, several hem callgerout des, the cruig chiorine sydrogen peroxple determents (span), loccobirs of ne-based anticopies , and alcohole are effective against haman influenza viruses if used in proper concentration for a sufficient length of fine. For example, wipes or gals with a cobol in them can be and to clear hands. The gels should be rubbed into hands antil they are dry

General Precautions for Prevention of H1N1 Infect on

- Frequent hand was a right
- Covering coughs or ancezes and threah with the tissue paper
- Avoid crowted places
- Advise ill persons to stay horic (except to seek nedical care) and minimize contact with others in consider.

- Avaid touching dose eyes and month.
- Valuation hame quarant as of contacts with confirmed or probable symmetrifluence (ases)
- Avoid close contact with sick people. Keep more than , meter distance for protection.
- Las cusmiectants for surfaces respects y bedaids tables, bathroom surfaces, kitchen counters and covsi-
- Avoid unnecessary migration of people from epidemic and endemic areas

Drug Preatment

Influenzo coses can be managed by specific antiviral drug-

One amount (I am flu) is an oral neutrino it see not to and has been which used for hamaging it than uses if avian to the enza and that resulting from pandamic influence. It has been used for chemoprophylax sias we astreatment of symmeths this available as capsules (75mg)

ant wa per later: spaperson (12mg/m.). I he drug has also beam appeared by the USEDA for use in children 1, blocks the arrive x on of obe 1 may refer system neuraminulase and results into viral aggregation at the host call surface that reduces the number of viruses. released from the infected cel. The drug is well coterar ed and has minimut non-serious side effects like nguees, vom ting and diarrhes. Occasionally it may couse incuronsy histria manifestation, the insormas tored behavior etc. Consmisser a another neuraminidese inhibitor that is used in the inhi oficial form However the drug may cause bronchospsam Hance at as put recommended for patients with resp ratury disease such as sathing or COPD. The ay dende of therepeatro benefits from activital. treatment are stronges, when the drug treatment e initiated within 48 hours of onset of symptoms. The duration of treatment is five days. However, the seriously. If patients may require longer treatment and higher doses.

Table 2 Dosage Schedule of Oseltamivir

Medication Adults		Treatment (5 days)	Chemoprophylaxis (10 days) 75 mg ())		
		75 mg R()			
Children > 12 months Body Winght (kg)	Body Wright (1 18)				
⊤ iō kg	~33ds	J0 mg BD	J0 mg OD		
> 15 kg to 23 kg	>33 lbs to all lbs	45 mg BD	45 mg OD		
≥23 kg to 10 kg	≥51 lbs to 86 lbs	60 mg BD	60 mg OD		
۶40 kg	>83 lbs	75 m _e BD	75 m _e OD		

Table 3 Dosing recommendations of oselvamivir in children younger than lyr

Age	Recommended treatment dose for 5 days	Recommended prophylaxis dose for .0 days
Younger than 3 months	12 mg twice dauy	Not recommended imess assuming judged emiscal due to i rated data on use in this ogn group
To months	20 mg twice da v	20 mg once daily
to 11 mosths	thing twee daily	4) mg pued dorly

Chemoprophylaxis

Recommended for household case contacts of confirmed probable, or suspected case or health care workers exposed to confirmed in suspected cases of H.N. Oselfamiving a given for precaid post extressive cases through the exposed period and 7 days after last known expose to 1 confirmed case of swine hill care 4 HINI virus infection. The desage echodule for adults and children is shown in table 2 and 3

Laccine

There are two different vaccines available in JSA to protect humans from swine flu Moneyalent Masa. Spray blu Vaccine (Larve Adentialed Inflaetiza Vaccine (LAIV and maintivated 2003 HINT vaccine in estable). Vaccine for human seasonal influenza does not protect against HINT swine flu viruses due in artigente differences, but may provide partial protection against swane Handards.

Conclusion

A world wide or loceak due to H1N1 virus for which homen beings have in inchange has seen a major loceal Christians should have a high degree of suspicion for H1N1 in patients with severe appear or lower respiratory inferiors. The suspected cases of category B at H2 should be treated with oscitain vir. Instream cost should be started early to reduce mortality and progress of the

disease All eases having URTI with high grade fever, LATI, and category C should be suspected for H1N1 affection inhead proved otherwise. The patient should be hospitalized and isolated inquidately. Testing of H1N1 should be done and treatment with use tarrier should as started with at waiting for the report. H1N1 is a low mortality traje but early treatment of severy disease is important to avoid complication and save the life of attent. Viceimes for Novel H1N1 are available in USA and assurbation has been started in selected population. Proper and frequent hand washing is very important for prevention of the disease going with other precisitions.

Patients having CRTI with high grade fever LRTI, and category C should be anspected for HIMI infection unless proved otherwise Novel HIMI in a few minimally circle but earners ment of severe disease is important to avoid complications and save the hie of patient

References for further reading

Shittps/www.who.int.an/>
.tps/www.sic.gov.al.alf.st.updalegruss

With Best Compliments

From CIPLA

Makers of,

EG1

RABICIP FAST

FORACORT

MAXIFLO

Emergency Medicine . An Emerging Specialty

Sharad Vicas*

Racaground

Emergency Medical Services Act—suparat [EMSA] has occur possess by the Health Department, Government of Gujarat in 2007. Under the act, provisions are made to provide uniform high quanty medical emergency care to all the patients irrespective of their status at all the giver mean, curporate private and crust busp tals of the 4 de Stant are in a cuts baset on the various parameters have been framed to provide quality emergency care. Emergency Medical Service (EMS) authority created under the act is to guide and enforce the criteria of emergency medical care. As a familiation of such care, development familiaries, which care setting up Emergency medicine acessential However, setting up Emergency Medicine (EMI) as a distribute is a challengage task. The historical and autistical aspect of this discipline is as follows.

- First emergency medicine training program residency) was established in 1970 in USA
- EMS Act Established Naujonwate 911 service was passed by Congress in 1973 in USA
- Specialty resignition for EM by Amorican Board
 if Medical Specialties to 1979. However, more
 than 20 years after hW became a primary medical
 apenalty, board.
- Curven by there are over 21,000 hours consided emergency physicians and more than 172 emergency medicine residency programs in the U.S.

Management of Medical Emergercy

Chain of Survivor

There are four a ages called charg of survivor in management of any medical emergency which includes to sume

Director-FMSA Processor & Head Emergency Vederine.
 B. J. Viedt all College. Above shad

- First phase. Tre-hospita.
- Second phase Emergency [Methane] department.
- Third. Definitive management in respective speciality.
- Fourth Rehabilitation.

First phase: Fre hospital care is rain well as a lister with 108 ambulance services and trained staff working in it. However, it can be further improved as quality base haspes here in we to be dute.

Second phase. Most neglected area is emergency care in hospital especially at first contact point. The most jumply purpose who is not well brained involvement in higher departments. Investigations takes time. Hence, these belays the management and at times results in fatality and increases the morbidity. This phase has not been considered and requires to be developed.

Third and fourth phase, Defiritive care and renabilitation are third and fourth stage of emergency management are very well recognized and developed at he matrix a Thir has been provided by the specimes of various branches

Defillation

Emergency Medicine is a medical specialty in which a physician receives practical training to treat pare, is with acute increase or injuries that require in medical acte i ion. Emerge by medicine physicians diagnose a variety of illueises and undertake acute interventions to stabilize the patient. The physicians practice in pre-hospital settings via other locations where initial medical treatment has taken place and also a Injensite Care. Unit dust as the capta operate by gomedia virules under large emergency systems emergency practitioners aim to diagnose emergent conditions and stabilize the patient for definitive rare.

The clinical EM includes an initial containtion, treatment, and chaposition for any symptom of sesse templa at in the first 2-or 3 hours of onset. There are three components to the Model:

- An assessment of pallent actify
- 2 A description of the tasks that must be performed to provide appropriate emergency medical care are.
- Limitally of common conductive, symptoms and disease presentations.

The Mode represents essent a reformation and sky a necessary for the reinets process of EM and different ase it from the climical practice of other specialties. Patients often present to the emergency department with signs and symptoms rather than a known disease or disorder. Therefore, an emergency physician's approach to patient care begins with the identifying the patients presentation that point to a specific diagnosis. This is the hallmark and cornerstone of the climical practice of Ringricing Medicine, guiding the diagnosis create and a terapeutic in erventions during the entire patient encounter.

The Team

- Specialized emergency physicians
- Specialized emergency minestrained in Pediatric

 de east port A alse card at the support

 Acute traumatife support, and Trauma varsing course contribute
- Specialized emergency accommissins
- Certified nurse practitioners
- Rimargeory medical echodrama-parametrisk

Role of an Emergency Physician

Evaluate the patient, determines extent of problem and carry out immediate intervention in critical or I for threatening situation. The evaluations may include Pointine Constitute and structure. The run, Psych at a etc., he ware as diagnostics and investigative finds used are bedside Altragound, CPR pulse eximeter. I bood

glucose testing etc. The physician works as a detective to determine the cause of a patient's complaint and residences as through history, physicial examinal residences and radiographs. Based on the diagnosis, the treatment is initiated. Collaboration with other specialists is often required. The common procedures carried out includes interaction, care o version, subjuring, minor surgice model area peaks decided at the analysis these, contratences lines theracocentesis, paracentesis, pericardia centesis, fracture/disposation reduction etc.

The Present

To codely emergency care to provide by an informal arrangement of payer, and who worked in emergency rooms as part of their hospital divice having primary discipling in other subject. However, the physicians are neither specimized for trained in emergency monitore

What needs to be done*

To provide integrated emergency medical care, there is growing demand of the specially trained physician in emergency medicine. Gujurat State has already instincted the action in this direction. Further a Post I radiate college in Emergency Medicine has been started to it set the requirements. Although the emespt is 25 years and in developed countries but our institute will be the first to start such course in India. The need of such speciality has also been ranger sed by the Medical Council of India. The objective is to create an integrated emergency care across the State by providing standard protocol care of monagement. This will gradually percolate and will result in reduction of mortality as well as morb dry. Interinking between a lithe four phases of charms of survivor in king between a lithe four phases of charms of survivor in king between a lithe four phases of charms of survivor.

Duration of Residency

The post graduation course offers M. D. in Emergency Mediane. It is three years residency programme but can be extended to four years in not ance centres. Selection process is to CET as done for wher posigraduate students and as per the affiliated Liniversity roles. Students undergo clinical rotation in second year of residency to various other branches.

Subjects studied by Emergency Physicians during Training

- Aneatheau
- Cardinley Casses Care
- Bermarology
- Rmorgonoy Mediano services hav runnereal II ness Ethics
- General Medicine, General Surgery Generalises
- Neumisciences
- Obstetrics/Gynecology, Ophthalmology Orthopedies, Otolaryngology
- Pedagtrics, Psychiatry
- Cospense was identations
- Toxicology Travime
- Urology
- Weing! Management

Advantages of Training in Emergency Medicine

- Bricompasses all types of medical and surgical problems on all agaignorps
- Provides "safety not" in the Varions, Health Care System for patient appears of any retared care
- Allows other specia tets to concentrate on their areas of expertise and interest
- A new effect we screening I patients for hospital somesion. Reducing admission takes to inpution services.

- Prompt evaluation of emergencies
- Completion of Lagnostic workaps in sangle yishts
- Lamitang need for inter hospital transfers
- A lowing an ermat or of care by other special stefor patients with multiple medical problems.
 reass arange and confidence.
- Efficient addization of health care system
- Provides core of specialists to staff emergency departments
- Produces pask of open and uniformly for an inglown emergency care
- Allows ability and confidence in managing basic emergencies

The Mission is to provide prompt offscave, timely treatment to all the patients in emergency. It has been expected that the medical teaching faculties will rise to the new demand cooperate and fulfil the need of the State to serve the mark in.

Conclasion

Emergency Media me as an emerging new branch in patient care will make a distinct bench mark. The 21st century has changed the life style, discove pattern and its management. Every, "fe is precious and a muld not get est in a satient for the sake of one having the right kind of treatment at right time, at right place. Emergency Medicine is trying to fulfil, this massion.

The residency is a period of unbelievable professional growth and development, and with good fortune, may even be an omparised by comparable logarithmic personal enlargement. The resident should make a knowing and informed commitment to be a projection to take care of patients with compassion. Issue, honor, dignity and devotion.

Solomon Payper

Pharmacovigilance An Overview

Chetha Desa,** Prakruti Patel* And badha Candhi** Wire Desm*** Rk Thkenn****

ABSTRACT

Phurmacovig.Lance is the selence relating to the detection assessment, understanding and provention of adverse effects at medicines. Adverse drug reactions (ADRs) are responsible for $3\cdot7\%$ of hospital admissions and or 445 to 644 cading cause of death. A IK more tering 38 are important component of pharmacov grance. India is in the process of developing its own pharmacovigi ance system which 1989. The WI-Claimsored Nacional Pharmacov "Janne Prigram for India in Cater by Central Links Standard Corceo Organization (CDSCO) was made operational in 2005. Department of Pharm toology was designated as one of the 25 Perspheral Centers in this program. Since its inception it has submitted 1487 ADR reports, These were reported by the chairman at Civil Hospital Abmedahad and private pract trouves 109 (20 78%) of these were serious. Commonicativa and groups were antimicrobials, and retrovirals, and degressants anti-epiteptic oroga ant hypertens yes incleoring sternids. A withe array dilknown, rare and interesting ADR, the Immune Reconstitutive Inflammation Syndrome (IRIS) due to anti-retroviral therapy, convasions due to flaconogole. disseminated intravascular coagulation due to piperacilin and sagubactum invitogic cinia que te ciprofloxacia. storysatetin, addeded ponerastitis and control secon, rethnopolity due to produce one were reported. I ffort, are also heing made to improve awareness about ADR reporting among prescribers through scientific meetings, newslet ers and personal communications and to spread the awareness to other health professionals lake nurses and pharmac sta-

Introduction

Phar macovigular of is the science relating to the detection, assessment, and standing and prevention of adverse effects of medicines. It is an important and integra, part of chuical research and therapeuties. An adverse drugreaction. (ADR) is a nozious and unincended effect of a drug that occurs at doses used for the raparties. A number of studies conditated throughout the world have demonstrated that ADB significantly decrease the quality. of life, increase hospitalization, prolong hospital stay and mercase mortality A study by Lazarou in 1.498 tescribed ADR to be the 4th to 6th largest cause of weath in the USA. anit char. A li ka aire estimat ecito ca i se 3.7% of all hostitua. admissions. More than half of these AllRs are not recognized by the physicians on admission and may be responsible for Jea L of 15 of 1500 patients admitted * Right persons, the lineaucra funder of Allh to the Hearthcare system is buge

The need for Pharmacovig lance

Regulation for drug approvals process require and ensure. early detection of ADK From city a trials and postmarketing surveillance studies by the pharmaceutical companies. However, the life of drug and its extensive use goes much beyond the drug approval. The real that pige is ansuring vigo ance for ADK when the drig prescribed to a large promation in an amount oned manner. Not only is the incidence of ADR increased, but some rare or less frequent ADRs are detected then However these often go undetected and if detected, they are not reported. Valuable i dormantia that could help etter passess management is therefore set and not shared among the health professionals. Patients frequently use prescription only medicines , POM) as over the-counter (OTC) drugs for self-medication thereby withing them at a greater risk of ABRs. Lin Lightne years ago, safety assessments of drugs were based on experiences derived from their long term use in the western marketa India did not have a nharmacovigilance system of its own. In recent years, however, the lag time between the true appearing the western mathet and its

^{*} Assistan Profession

^{**} Assuring Professor

^{***} Protessor

^{****} Professor & Head Pharmacougy

B. J. Medical coners Annedabat

subsequent availability in India has decreased considerably Long-term safety data is no longer available. Further Indian drug companies have increased then capacity indexes pressured through their own research instabilies. These factors have emphasized he importance of developing our own pharmacoviguance systems.

The Indian Scenario

In aprile of these requirements pharmacavig is the is shill in its infancy in India innlike in the West where it has advanced with rapid strides. A formal adverse drugreaction (ABR) monitoring system consisting of 12 regional centers, each covering a population of 50 million, was proposed for Lucia La 1986. In 1997, India paned the World Health Organization (NyHC) Adverse Drug Reaction. Monitoring Programme based in Uppsala, Sweden. Three centers for ADR maintoring were identified, mainly based in teaching liuspitals, a Na ional Pharmacovignatice. Centre ocaled in the All Incia Insular e of Medical. Sciences, New Deihi and two WHO special centers in Mumbar (KEM Hospital) and Algarh (JLN Hospital, Aligarh Muslim University). The major role of these conters was to monitor ADRs to medicines marketed in India and report them to the Drags regulatory Austronicy. of India The WH Esponsored and World Bank Funded National Pharmacovigilance Program for India was made operational in 2005. The Central Drug Standard Control. Organization (CDSCO) unplaced a halonwide phermacovige after program under the segle of threaterate. General of Health Services (DCHS) Ministry of Health and Family Welfare. Government of India. A nationwide. network with 26 peripheral centers, 5 regional centers, and 2 so, al centers was satarhance in a mararchical. fashion, with precedined tasks and responsibilities. salorated at each level. Given this background of pharmacoviguance in India to date, nearly two decades. later from its origin in 1986 things have definitely changed for the bester albeit as a very slow haze. The keg datory Au hority for India have implemented the Schedule Y and made reporting of all serious adverse. events (SAEs, including suspected unexpected serious adverse reactions (5 SARS, from climical trials IDS DESIGNORY 8

However, much needs to be achieved in the rul, are of spontaneous reporting by health professionals. Research on ADRs in India is lacking. Some teaching hospitals in olerake Pharmanos, ance se part o posigraduate thesis, i. ii. kirs is not enough. Moreover the information so gained is shared within closed forums and conferences but not with the regulatory authorities, the preseribor community or relevant gharmacouties. and factured. The reporting forms goed by your go people. engaged in pharmacovighance work differ in format and content and tall agte there was no uniform reporting system. available throughout the country. In this contest the ADR Reporting Form devised by the CDSCO meets this requirement it is upon from ly takes a few minutes to fin up, adareses all the important data required to report and evaluate an adverse drue reaction. It is freely access ble from http://edsco.nic.in/htm/ naormaes html: 2095 *

Pharmacovigilance at Department of Pharmacology, B. J. Medical College. Ahmedabad

The Beginning

Against this national scene, he Departmen of Pharmacology B J Medica. Co lege, Ahmedabad bad initiated pharmacovigilance activities since 1982. Monitoring of adverse drug realmon in public and private help has a Annenalist was undertaken caring the years 1992-2000. So he has reported and raview articles in scientific journals were published on this subject. Hence the concept of pharmacovighance and ADR reporting was disseminated to the prescribers since then, albeit in an unorganized exploratory and approaches.

The Journey

It was in May 2005 that it was designated as one of the 25 Pemphera. Pharmacourgiance Centers allower index, heing one of the five centers in western index and one of the two centers in 1 paral. The tasks envisaged for the pempheral centers included at leasing and counting at least 30 adverse drug reaction notifications every month, which were then forwarded to the pespective Regional Center. The Center was also required to carry out special princips.

on drug safety on request of the CDSCO carry out causally analysis of all the ADR on a monthly basis and man to the the option of ADR forms are not the tone of the cating and fastering a reporting to ture among the booth professionals was and still as a distinging task. Acknowledging the contributions and cooperation of the participating clinicians, providing relevant fredback, organizing training, and other smeathful programs related to Phurinac by dance were the other tasks to be undertaked by he server

Practical problems were realized during the process, for example there was an apparent lack of time and motivation among prescribers to report AL/Ls voluntarily. The outpatient departments are usually too erowded to offer any time and convenience for the christans to notify and report ADR. These problems were partly offset by the persevening posterad area and the selected factuly. who more orea adverse drug reaction reporting by visiting the outdoor one words persons by W^{ω} thus, had to proceed gradually but surely to an environment of strengthened. brust active participation and advocacy. To begin with, interested and motivated chinicians were identified contact ed personally, and through formal meetings. They were berefer, abdus importance of plearmais vigit and same All Riceporting. The latinicia is were eucouraged to report ADRs by salamically the ADR reporting forms and notifying the ADR either telephonics by or in person to the department

Since there are multiple specia fies and chinical finite. involved, individual staff members/residents were allowed. the responsibility of individual anti-clinical department. This resurred that all ADR nonfications were prompaly a ten ed. As a cestrill of these comperted effects, the downt ment has been able to collect and collate eg. if, cant And use fall data on ADRs. The bright sade of the experience. was that the word about advirso drug reactions and pharmacoviguance had spread in the 'prescriber' community ADRs and ADR reporting were now being looked port not with too nities of awe, suspirmen and apprenension but something that could be tackled and needed to be reported. It also belied has dilmages between the age-old paradigms and compartments of clinical and non-clinical departments and develop meaningful interactions between their

In this context a brief overview of the ADR reported daring the past four years a substance for the benefit. If the prescribers of this institution. These reports have been collated and analyzed to make certain meaningful conclusions that would be useful to the prescribers.

The M lestones

A netabase of the ADRs reported has been created. The information so obtained is causafied based on age and gender of the patients, source of the ADR reports, causal groups of drugs, route of administration of suspected drugs, nature at a clinical presentation of the adverse event and the obscime of the adverse event. Most ADR neufficiations were received from the departments of Medicine, Dermatology Taychiatry, T.B. and Chest diseases. Pediatrics, Ophthalmology and Surgery Some cases were reported by private praymound are the salient features of the ADRs reported air date.

A usual of 487 cases of A 18s were reported in a period. of 49 months, un average of 30.8 reports per month. A diffalled analysis of it is a ascs showed that ADRs were reported more frequently m majes than in ferms as (M,F) 14) Tighest numbers of cases are reported in the age. groups of 16-30 years (4-5) and 3 a50, years, 65-s1. The remmon causes groups of drugs were antimicrobials (358). antificiarcyiral drugs (902) non storeida, antiuffart.matory drugs (127), putitabergular drugs (127), antreprileptics (197,) antipsychotics (104), 74) ar sestregydeins ant depressant anticholmurenes (35), antiplateiet and anticoagulant (18). daureties (16) Over The Counter drugs (16) and control staroids 15, 61 AUA were due to drugs which could not be identified. The adverse events agated completely to 5.15 patients.

309 (20 73%) even a were send a earing me nincre of the following seath (18). If a threatening events (10), requiring or prolonging hospitalization (203), and itself aspillate (16) or required intervention to prevent permanent impairment damage (69). The adverse events abated completely in [77] potients. Seven pair at has rectarence after reminocutation of the drugs.

The common ody recreations observed were sain rash, a (n=23a) (tehing (n=118), other skin lesions (n=135), ing ig (n=89) (n=13) ig (n=88) charates (n=74) is Jewidrome (n=66) nauses (n=52) tremors(n=49), giddiness (n=40) sectation (n=14), intercle dystomas (n=24) and others with

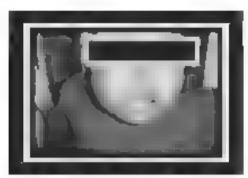


Fig. 1:1 Angeredama due to an unknown drug

Following are some of the unusual and interesting ADRs reported to this department

- Cardiac arrhythmia leading to death after a single high dose of cb oroquine
- Psychists after two days of isomand therapy.
- Two cases of Immune Reconstitutive Inflammation Syndome (IRIS) due to ART (a.u. retrov ra. Jerapy)
- Convusions due to single dose fluconazole.
- Descriptated Intravascular Coagulation (DIC due to piperst. Jun 4 communication).
- Hypogycemia due to riprotioxarin.
- Atorvastatin included pancreatitis.
- Central servilla reconopathy due to predpisolone.
- S J Syndroms due to malt vitem na
- Texas epiderma. n. ezosyeis (TEN) > J Syntarom. dermatographia and angioedema due so unknown drugs.
- A herombea due to scavnding than some thempy
- DRESS (Drug rash, Eosmophius and Systemic Symptoms) syndrome due to diclofenar sod; am

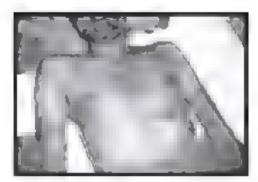


Fig. 2 · S. J. Syndrome due to an OTC drug.

Consumty assessment of the reports has been carried out using the WHO UMC criteria as well as the Naranjo's Scale. These scales are universally used for deciding if a suspected drug is responsible for an adversa drug reaction.

The department also carried out various activities to promote ADR reporting Meetings were held with din crane it itain and sensitize her in apon amous reporting. The Peripheral Conser and he artivities were publicized through newsletters of the ocal Medical Associations, Two issues of 'Drug Watch', a newsletter that informed the readers about ADRs, pharmacovigilance. and interesting APEs reported to the department and wurtdwide were aublished. These were widely distributed. to prescribers at the Civi. Hospital. Ahmedabad and the private practitioners, other institutions in Gujargt and alsewhere in the country. The website and it www.pharmacolegybjini.crawas.au.nched ha ir femiet about the pharmacos gilance and its rola of activities. carried out by the department, contact details for spontaneous reporting, interesting cases reported every month and liber activities of the aspartment Ar-Inter-medial Works i plan ADR in a lating was rganized hat was well ascended by parts spans from all over the country

The Present

Current y the work continues at a sustained poec. The Peripheral Centre has provided an apportunity to pursue an apportunity to central course in an organized manner given the backup from the National Pharmacovigolance Programme. Slowly yet surely, we are observing the conversion of "helievers" from "acquires" among the preservines about ADR reporting Increasingly more of

academic and research work in the department is focused towards pharmscovigi a 100. It has increased our interaction with ika-min of children's and there has the personne. The experience gained thus also transformed into a useful academic outcome, when the undergraduate students had their firsthand experience on ADR reporting as a part of their practice and curried but. The postgraduated this get a first and superience in interacting with the children's and other health personnel about issues related to pharmacoviguance. They have been trained not only in hunding "signals," guiding the reporters, but have also learns to segregate the reports and build in the data has if reported ADR. Also they are able to assess the ADR reports for causably, an exercise that can be intriguing and confusing at times.

We thank the following for their contributions to the success of pharmacovigilance. Their interest and support goes a long way in sustaining this activity that is in the best interests of the academia and the dimerans anke. We lot a forward to their time intend to piport and to more forming up in this in assets for thing safer y

Department	Number of cases reparted
Medicine	495
Dermatology	350
Psychiatry	182
Finante Perentionen	00
TB and Chess disease	94
Onlithe two ogy	7
Fediatrics	il s
Others Strgery Orthopedics	65

The Future

A robust and sustained pharmacovigilance system is the need of the day. While the unit at ves have been taken, much needs to be done. In this context it is heartening to note that the Drugs Controller General of Little is trying to build up a good regulatory exetent for lad a and las even proposed to ries at a Pharmacov ghance. Cellin each of the 440 medical colleges in india, where adverse events can be reported." Currently the activit es related to pharmacoviguance are largely corfi so to tria i retiriator. We aim lo encorraga a arger authoer or preson persiding culter beabacate. professionals including pharmacists nurses and heath. care workers to report ADR, to involve professional organizations of health care providers in educating their members about the importance and nothers of pharmac wighance at as also important to allay he concerns of the conician about the medicallegal implications of reporting ADR. Providing information. about ADR reports, feedback of causa ity assessment. and acknowledging the continuous of the notifiers. wild strenge ear the system and ensure proactive partherpation.

Iselia incormanion for hose who wish to dy or repor Suspensed Adverse Drug Reactions

What to Report?

- All suspersed drug related adverse events including the known insignificant and common ones), including those caused by horbal traditional or a temperature termed es
- A., so spected drug fateractions
- Serious adverse drug reactions should be reported
 as soon as possible (with n 24 hours)

Who can report?

 Any hearth care professional (acctors including feat stal nurses and praemarists)

How to report'

- Talephornes by
- In person to any staff or resident in Department of Pharmacology
- Kirnal Dhamnal me@yahuo our
- The ADE Reporting form is available in the department or can be downloaded from http://edscome.r. htm/peorma.e.htm

Adverse drug reactions (ADRs) are responsible for 3 -7% of heapital admissions and are 4.h to 6th lealing curee of death. Indus is in the process of developing its own pharmacovigilance gretem. The initiatives have been taken much needs to be done A rebust and surrained pharmacovigilative system is the need of the day.

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 ADR form, PDF blg.pdC-

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Anesthetic Management of Facial Injury by Large Sharp Meta. Rod

Ranadhir More * J.C. Makwana ** Bhavna Raval **** Inda Chadha **** B. J. Shah *****

ABSTRACT

A 35 year old female was admitted to ne casualty with an embedded sharp large metallic rod across face with match y to specifical only and metallic passens was successfully managed in space of difficult annough and method was removed under general anesthesia.

Key words: Mar Hofacia traums, difficult archation, Externa carotid ligation

Inareduction

Penetrating maxulofacia, transpa with masti foreign body presents a spectrum of problems for the anesthesiologist with regard to patient positioning, airway control intra-operative hemodynamic and post operative pairway palency.

We report a successful management of a case of penetrating maxiliation that trains a which a 35 year of woman with a large sharp metallic rod passing through in there. The end resulted infinitely in larging acopy and inclibation due to restricted mouth opening. The case was approached with conventional method of infution after head and foreign body stabilization. An unevential intra and postoperative course was chaused by adequatiness are a reduce airway edema.

Case Report

A 35 year our temate was assaulted by her schizophrenic husband with a sharp, targe heavy metalac rod, possing from left add to right side of the face is now interested shown in Fig. .



Fig 1 Embedded metal rod with restricted mouth opening

Respectit

Assistant Processor

the descripto Professor

Frafessor and head

Does and I'r Kissor Ands hesioney D. J. Medical Cossegs, Ahmedabad There was no history of loss of consciousness, convalsacias loss of vision, volunting heeding hemer, nose and much (T brain and skill showed right temporomand bular joint dis ocation and hemo sinuses with normal brain. Other investigations were within normal limits. On examination she was conscious arteried but a bante to speak with the large metal module for Her vitals were within mail I mit. Mo the opening was only one finger with restricted nack movements. After taking an informed consent, the parient was taken to the operation theatre and two large LV lines were serviced. ECG. SPO₂ non-invasive BP monitures were applied. The patient was given suppose position with supports to the rod with rings for stable position of head(Fig. 2).

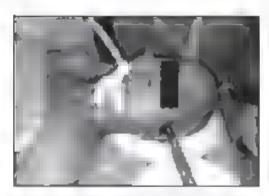


Fig 2 : Intubation with in situ metal rod

I edifficiant with a cart are cross matched cloud was kept ready to you five ate 0.2mg or and ondersection 4mg iv were administered as premedication Pre-oxygenation done with .00% oxygen for 3 minutes. Anest tesm was induced with proposal 1.0mg to for owed by check ventilation and successful to the Dong to be down intermittent poet. Yet pressure went latter, conventional laryngostopy was attempted and the patient was

successfully in aboved. Pattern was main a ped with O. N.O isoflurane and with non-depotanting muscle relevant vocuron in browing the the vitals were with normal analts during operation. The surgeon performed as ernal carotid artery ligation prior to rod remo although expersal and extabation was ineventing and the vitals were stable in post operative period. The pattern was assertance after a period of 15 Jays.

Discussion.

to present case was an inquiral with anticipated complications. ** Preoperativel, there were chances of lifter it incubation because of restricted and had opening and soft tissue edema. Further, larving scopy was different die to tacking action of rod fract, relaygematic arch and discontion of temporomand bular point. Hence difficult interaction cart was kept ready and ENT surgeon as stand by for surgical intervention. Intra operatively massive bleeding was anticipated so external carotid lightly was done and to prevent injury to be an it in rod was removed in the same direction. Post operative versions are in and meeting was

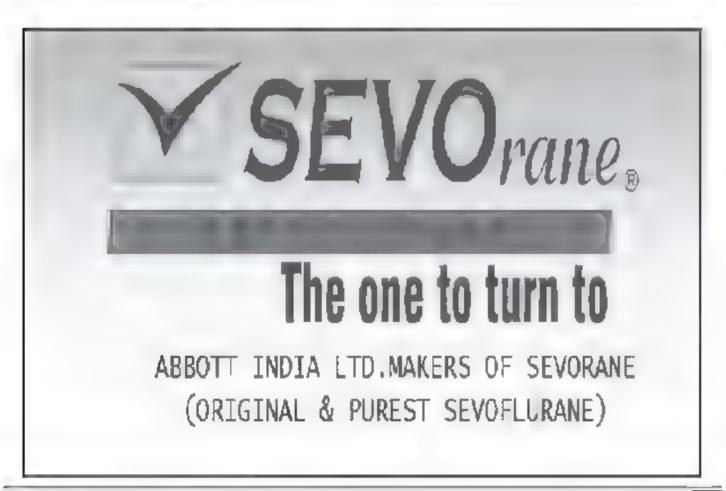
expected. However the red was removed so eccessfully we need any complication IV storoids were given to prevent soft trasue edoma.

Conclusion.

Maxilloface I froums may result into serious distription of the soft discus for, and cartilly nous components of the upper already. A thorough preoperative evaluation experiences fears of anesthes may stood good communication with surgeons result into safe successful arready management at imporative outcome.

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Transurethral Extraction of Seminal Vesicle Stone

Goval V* Shramk Shan 1948, Kutan Dusut 1949, hetan sinikla 14 Sackar 6. 1. A Nact 2

Introduction

The seminal vesicles are a pair of simple tubularly and a posterior inferior to the animary bladder in males. The excretory duct of seminal vesicle opens into the varietiers as it enters the prostate gland. Although primary seminal vesicle stone is ture, it is a potential cause of chronic polyte pain that is difficult to diagnose. Surgical approaches to the seminal vesicles stone removal includative permeal, transvesical paravesical, retrovesical transcoccygoal lanaroscopic and endiscopic transmathral) routs. This is a very rare variety described very sparsely in medical literature. We report a case of seminal vesicle stone treated with minimal invisive method and excellent outcome.

Bry words Samina vesicles, Semina vesit e store. Transtruthral approach

Case report

57 years old male patient came with companies of pucture harge from previous left Orecidentomy (low) site with history of voiding difficulty in the form of poor stream and straining for the last 4 menths. Patient underwent Visua, Internal Unwinctumy (VIU) and left orchidentumy 10 menths back. The his openiology report of meloficesis was achieved at 1900 epicalymurch also On examination, there was a sinus on the left scrotum with scrous discharge. On per recta, examination, the left lobe of the prostate was stony hard in consistency, there was no obliteration of the median or the lateral survey, it was non-tender and the overlying mucosa was mobile.

On further evaluation, the PSA was 2.3 mg m. X-ray KL B showed a radio opaque shadow in the peivis showing prestatic arctical calculus (Fig. 1). Since the patient was having stricture arctical arcticagnate (RGU) was done which showed incomplete stricture in the



Fig.1. Plam X ray polvis showing an abnorma, shadow



Fig 2: Retrogesde crechrogram abowing the abunimal shadow lying on left side with incomple e statistic proximal bulbar arethra

proximal is there are live with the radio opaque shadow wing on its left aids (Fig. 2). On our throscope there was an incomplete 0.5 cm bulbar urethral stricture for which VIU was done. On cystoscopy stone was visible in the left caculatory duct opening (Fig. 8). Transarothral resection of the ejaculatory duct was done using cutting current and approximately 2 cm size stone was extracled from the seminal vesicle pushed into the biadder and buried using proximatic bithotripier. The fragments were retrieved for urethral. The semial sinus tract was excessed.

Dusc assion

beminst vesicle stones are extremely rare, and few cases have been reported. Treatment requires removal of the stone, generally through an open vesiculectomy. To our knowledge, very few cases have been aperated by endisciple approach (2) Our result is retraineding for treatment of such pathologic conditions of the sominal

Recident

Assista, r Professor

Associa e Professin

Professor & Head, Uromay

B.s. Meanal Calings, Ahmedacad

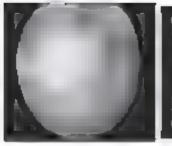




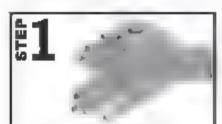
Fig.3. Intraoperative endoscopic view of the stone in the seminal vessels

vesities, which will ensure preserving the organ with all the advantages of minimally invasion surgery

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THE 7-STEP HANDWASHING TECHNIQUE



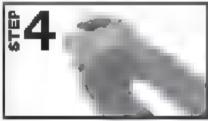
Palm to palm



Right pairs over left doreum and left pairs over right dorsum



Pain to pain fingers interlaced



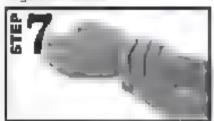
Back of lingers to opposing palms with fingers interlocked



Retational rubbing of right thumb clasped in left palm and vice versa



Rotational rubbing, backwards and forwards with clasped flagers of right hand inleft parmand vice varsa



Relational subbing of right west and vice versa. Rince and dry thoroughly





15th October "World Hand Washing Day"

Bipin Amai*, Bela Shah **

World Hand Washing Day is a campaign to metivate and more are metions around the work to wash their hands with soap It took place for the first time on 10th October 2008 the international year of sanitation

Activities Undertaken

- A mass media campaign was held in India with the support of central and state inclusions or electes and about 100 million school children
- Posters, teacher training module on hand washing, gamphiet will predge for avadents.
 TV spais radio jingles and song on the five steps for correct hand washing was developed. Several a tivities in schools including children pledging lowerds hystene hand washing games and woshing hands in a giant waterfail.

Importance

Hand washing with soap is the single most effective and responsive way to prevent diarrhea and acute respiratory infections. Diarrhea and passimonia together account for almost J. million children deaths annually. Studies have shown that washing hands will apapean reduce heaths from diarrhea by almost 5) percent and doubts from acute respiratory infections by 25 percent. The diseases that can be prevented in the community by hand washing includes hepatitis, shigeliness common cold, influence, giardiasis, conjunctivitis, helmorthuses.

Definitions

Hand washing for hand hygiene is the act of cleansing the bands with water or another by id with the use if soap for the purpose of removing som, dut, and or nucleorganisms. Hand Hygiene a general term that applies to hand washing antiseptic hand wash, and see it hand rub or singular hand.

antisepsis. Hand washing includes washing hands with plain non-antimeromial) soap and water

Medical Hand Washing

The purpose of hand wasting in the health care eeffing is to remove pathright to niteraorgatisms and avoid transmitting them. A study showed that proper hand washing in simple procedures can decrease the rate of catheter related bloodstream infections by 66 percent. Pathogens are most often transmitted from patient to patient from the hands of healthcare workers. Cleaning the hands before and after patront contact as one of the most emportant measures for preventing the appead of microorganisms in healthcare settings. Hands should be washed before the parient contact, connerg goves when institute a CVC amoney catheters, peripheral vascular catheters or other invasive devices that for threquire surgery and after contact with a patience skip, body fluids or exevetions, how intact skin, wound dressings, removing gioves

Source of bacteria in the hands of Healthcare worker is by performing simple tasks like

- bulling patients up in bed
- oaking a bitod pressure or prace
- wasting a patients land
- " for any pat onte ever in bed
- touching the patien's gown or bed sheets
- touch ng equipment like bedside rails over bed tables. IV pumps

Barriers to hand washing

- henvy workloads (too busy)
- sinks located far away
- skin restation caused by frequent exposure to some and water
- · hands don't look dirty
- hand washing takes too tong

Prevention is primary intervention for hand associated injections. Hand Higher is the SINGLE post important practice to prevent precious infections. There are many limiting factor but most important is ATTITUDE of health care worker.

Agen the Professor Machine

^{**} Associate Professor, Pea a ries

R.J. Modica Chilege, Ahmedabad

Computer Vision Syndrome

Hipak Menta * Bipah Parmar

Since the computers have become our best buork at home and offices, a new ocular condition has emerged known as Computer Vision Syndrome' (CVS). Nearly 100 millions people have been affected by CVS today. It is a specific reular disorder in people who agent propagations or computer or laptop characterized by eye strain and other related symptoms.

Sign and symptoms

- libte strain.
- B' area near or distant vision
- Difficulty in focusing objects after working long on computer
- Rap I fat gue ou reading
- · Tired, ary, arrested eves
- Deplepta (double vision).
- Pain in and around eye.
- Burning redness sand like feeling underweath evelid:

Fredisposing factors

Common in 3t 40yrs of age group, but can occur in chaldren or more than 40yrs, of age group.

- Spending dione than 2 hours continuously on computers only
- Person having refractive across

Regeons for CVS

- har to decrensed himforgrate
 - Normal Minking is required for even distribution of tear film so that eve can function smoothly due to lubrication of ocular surface. Normal banking rate is 15 300 minute, which is reduced to 6-8° minute for to a string at screen
- Computer screen differs from natural objects by

- Having glowing surface with insufficient contrast and precise borders
- Images on screen are made up of countiess shummering pixels eyes work very band to sustain focus on such analysis
- Higher reflection on computer screen.
- M as a losse etal symp oms due to awkwana postures in front of computer screen
 - Improper height of table or cham.
 - Improper distance between eye and screen.

Tips to oversome computer vision syndrome

- Keep your compliter screen it such a way that
 the centre of the screen is 4.8 inches below your
 level and adjust the distance of 20.28 inches
- Jas a decument holder placed rest to your compute severo I, ship diton, use the igh a avoid swinging the head back and forth or constantly change the eye for is.
- Maintain the lighting to remove the glare and baranteflections Glarefluers over the compluer screen can also help.
- Les computer glasses with a wropinate lone type and a sing are conting while working with the commuters
- Avoid scating hear ar air year and direct the itvent away from the eyes.
- Low hum dity or humes aggravate a dry eye condition.
- Bunk more frequently with the symptoms of dry or arrivated eyes.
- Take frequent breaks during the computer work.
 Fellow the 25-20-20 rms. This simply means every 20 minutes took away baying 30 feet and blink 20 minutes.
- Use artificial tears as recommended by the doctor to lubricate the even

Austerand aft nichtsburg

^{**} Professor and Director

M & J for rute T Ophthalmplage 3 V Huspital Minoscatar.

16th October 'World Anaesthesia Day'

Smits Engineer * Indu Chadha ** Bharat Shah **

October 16th 1846 - First Public Demonstration of Surgical Agaesthesia

No discovery ever made in mediantes has proved more one at that the human race than the discovery of Anacethesia. This has not only prevented the immense suffering during surgical operations, but also the whole surgicars of modern medicine has drawn strength from its success. The era of surgical areasthesia dufinot beguing approximately a century and a half ago. In 1846. American dentist, Dr. William Thomas Green Morton made the first public demonstration of the administration of ether anaesthesia, in Massachusetts General Hospital Boston. * *2*

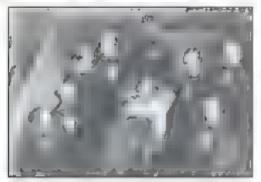


Fig 1: Parting of first public demonstration of surgress anaes besix at Massacansests General Hospital Baston

The patient named C1 hert Abbott was operated for removal of a tilinour beneath the left lower jaw. Surgery was performed by Dr. John Collins Warren. There were no again or reports of pair in the patient, yet be was able and breathing. When the operation was completed to Warren turned to astonishing audience and made the statement Gentlemen this is no humbing. Dr. Heavy an emission is region, who attended the demonstration remarked "I have soon sumothing today that will go around the world." The news of the successful demonstration spread rapidly and five menths latter on 22nd March. 847 it was used in India at Calcutta.

After 150 years in 1998, 16th October has been recognized as World Anacsthesis day. On 27th December 1998 the Indian past deportment issued the stamp deposing Morton as muistering other to Amount with Dr. Warren and Dr. Bigelow. 1966 hackground.



Fig 5: Stamp resued by Indian post department on 27 o secure 1996

Dr Willam Morton tried to patent the use of ether but failed. The citizens of Baston created a monument over the grave of Dr Morton with the following inscription.

William TG Morton "Inventor and Roveolors of Inhalation Annes diesea

Butter whom, in 4.1 Time, Surgery was Agony

By Whota, Pain in Stagery was Averted and Annualed,

Suice Whom, Science has Control of Pain ***

References

- R S Atkinson, J Altred Lee A synopsis of anaesthesia. 10th edition, 6, 27
- Tej K Kaul "Hoppy Burtaday" Amaesaliesia J Annesth Can Fharmacol 2006, 22(4) 343-34.

Associate Professor

те Прогазратили Вери.

^{***} Deam and Professor Americans. Blu Medical Conege Atmediated.

Body Donation - A Social Obligation

CA Pena". HR Juday **

Light and a thread from of indian colours. Our ancestors used to donate metals, cereals, and and dothes. With changing times, the theme has been changed and done for one bond eyes, kidney and even body afterneath has been wanted. Dead body donation—a newer consept in the society. Although the history of dead body donation goes back to the ancient time of rushi. Dadhichi, who donated his bones to India, who made weapons to fight against devils. Similarly, weapon of knowledge, gathered overseecong human body is used to fight against deadly diseases.

To study the intricate details of bruman body, dissertion. is necessary and this has led to the origin of a discipline. known as Anamony. The ancient anatomists like Grav. used to dig out buried dead body from the grave yard at night, to study the structures. Initially the practice of embaming and body donation in Gajarat was regulated. by Bombay Anatomy Act. Under this Act, Anatomy department was permitted to claim the unclaimed bodies. for embalming and dissection. Currently, se actopsy is compaisory for the uncinimed bodies, the major source of dead on rea received a little department is in the form of donation While receiving the dead body a death certificate along with the curise of death of the deceased. is prefessing. The body show differentiated without any wouldo. lacerations or incisions and the time duration since death. bould not be more than 6. Shours. The body is then preserved by injecting embalming fluid, consisting of formatin spirit, glycer-ne and water Nearly 10 heres of flind is injected through artery. Such a body can be preserved for a longer time. Apart from teaching of undergractiate and its graduate stationes, chircians from various faculties hise E.N.T., Orthopaetics, Neurosurgery Plastic surgery and Ananathesia also par the cadavers. for their research projects, workshops and seminars. Once the assection is complete, the remains of the body is deemated with due tespect in crematoriam.

People from every corner of Gujarat have expressed their support in the form of SANRALE PAPEA, to donote their body postlumously for nepical students. It is shows the increased awareness regarding dead body donation in the society. What a noble gesture to become helpful to the society even after death! Anatomy department always appropriates such a gesture for a noble rause. The department always necesses the dead body donation with high regards and hundurs in presence of Dean staff members and students (Fig. 1).



Fig.1: Receiving dead body with full honour at the department

The department is thankful to those departed souls, who have dominer their bodies for souly purpose. The social organismions has Sadkarya Sewa Samaj, Louis crub, Rotary dub. Semor citizens club and individuals like shree Farsubhar Kakkad, Dabubhar Fatwa and all those who have contributed a lot in this field. Salute to all these great people!

DONATE BLOOD

DONATE EYE

DONATE BODY

[&]quot; Professor and Head

^{**} Associave Professor, Anatrimy

J . Medica College, Ahmedabad

Students' Activities and Achievements

- A two days training cum workshop on "Universal Precaptions for Health Care Providers" was organized under the banner of National Services Scheme of B. J. Media. College, Ahmed abad on 2-th and 26th of March 2009. Approxima also 95 N.S.S. votanteers and medical soldenes paragraphete in one workst. p.
- Tall e Tennis tourraiment was organizen between "The Phoenix and The Languegras Phew query were Dr Sheha.
 Pater singless, hashingen Shah. It is Kindrecton's easy of Rush keen Shah. Imra. Kandra & Sheha. The Phoenix team.
- National Nutrition Week a ong with Queet was just a organized between Ta, to 7th September by Department
 of Projection and Nutrition, Cavif II spite. Adminished. The first price was awarded to Dr. Da wish Boah
 and second position to Dr. Kuideep Mori.
- Badminton tournament was organized between 16th to 19th September by Rushikesh Sach, Raha, Sanghovi
 and Nandish Thankar for students of B = Medical Coulege and NHL, Medical College. The witners are
 Verbhos Nadkarm (none stagles), Vubber Nadkarm and Parth Patel (men's doubles, Vubber Nadkarm
 and Avi Singhal (mixed doubles), Doarmista (women's singles), Sucha Patel and Avi Singhal (women's doubles)
- *Joyfest, a someonitural event was organized for the underprivileged in litter on 30th September 2009.
 The latter is west extractionary taken and the event was well as the Jerito south in room officerent institutions of the campus.
- Dr Vishal H. Farmer has been awarded a cert ficute for successfully completing the short term and denestry
 by it MR for a project on "Venti ator associated preumonia. The project compared the incidence and rick
 factors of photomorphism of paneties with a ventile of ventile of admitted in Interestic in a lat of Civil Hospital.
 Abmedabad

Medical education is not just a program for building knowledge and skills in the recipionis... It is also an experience which creates attitudes and expectations

Abraham Flexner 1914

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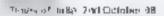
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Cultural State AIDS Control Society

1997; New Mental Compound, Meghaninagur, Abrindabed-199, Bujunit, India. 1997-2008-0211-55. Fam: 491-578-2208-0214 samuganeseming.org. e-mail: strangujun



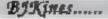
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Kaleidoscope Of Events



Inauguration of MCQ lab by Hon'able Health Minister Shri Jay Narayana Vyas and dignitaries



The Launching of Bykjnes



Students and parents waiting at Central Admission Cell



'Oath taking ceremony' by new batch, August 2009



Condolence meeting — Untimely and sad demise of Dr. B. G. Gohil, Professor of Anatomy



'Swine flu awareness campaign' by Community Medicine department at urban health centre MALA

RJKines...... 43

Kaleidoscope Of Events



'Tree Plantation Programme' at the institute



'White coat ceremony', Students distributed Apron and books by B. J. Medical College Alumni Association



Carom Tournament



Badminton tournament



Posters by students at blood donation camp



Underprivileged children performing at 'JOYFEST',
a Sociocultural event



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